Appendix A

Applicants' Marked-Up Claim Language

2. **(Six Times Amended)** A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of signals [and process at least a portion of one of a said plurality of signals], said method comprising the steps of:

receiving said plurality of signals, [said] at least [one] a portion of said plurality of signals being received from a source external to said receiver station, said plurality of signals including at least two [transmissions of different kind] media;

[processing] storing a first medium included in said at least a portion of [said one of] said plurality of signals to provide a first portion of said multimedia presentation; [and]

determining content of a second medium received in said plurality of signals;

coordinating, at said receiver station under computer control, a presentation of said first portion of said multimedia presentation with a presentation of said second medium based on said step of determining; and

outputting said multimedia presentation to a viewer or listener at said receiver station based on said step of coordinating such that content of said first portion has a predetermined relationship to content of said second medium. [processing, said multimedia presentation comprising information based on a first of said at least two transmissions of different kinds and information based on a second of said at least two transmissions of different kinds.]

3. **(Four Times Amended)** The method of claim 2, [further comprising the step of programming said receiver station to process said at least one of a said plurality of transmissions] wherein said first medium is stored in said computer.

4. **(Three Times Amended)** The method of claim [2] 3, wherein said [multimedia presentation comprises first information contained in said first of said at least two transmissions of different kinds and second information based on said second of said at

least two transmissions of different kinds, said method further comprising the step of generating said second information at said receiver station based on said second of said at least two transmissions of different kinds] computer performs said step of determining.

5. **(Four Times Amended)** The method of claim [4] 2, wherein [said second information is generated (i) by processing data contained in said second of said at least two transmission kinds or (ii) in response to an instruction contained in said second of said at least two transmission kinds] each of said plurality of signals is received from an external transmitter station.

6. **(Four Times Amended)** The method of claim [2] 5, wherein said [first of said at least two transmissions of different kinds contains one of video and a graphic and said second of said at least two transmissions of different kinds contains audio] external transmitter station is an intermediate transmitter station, said method further comprising the step of programming said receiver station to process signals originated by said external transmitter station.

7. **(Four Times Amended)** The method of claim [6] 2, wherein [one of said at least two transmissions of different kinds contains one of television programming and radio programming] said content of said second medium explains a significance of said content of said first portion of said multimedia presentation.

8. **(Twice Amended)** The method of claim [2] 7, wherein said [first of said at least two transmissions of different kinds contains data (1) to be processed in response to an instruction, and (2) to deliver video in said multimedia presentation, and said second of said at least two transmissions of different kinds contains said instruction] content of said second medium explains said significance in audio and said receiver station includes a first

selective transfer device, said method further comprising the step of causing said first selective transfer device to communicate said audio to an audio output device.

9. **(Four Times Amended)** The method of claim 8, wherein said [multimedia presentation comprises a program, said method further comprising the step of synchronizing an output at said receiver station of said video with a second portion of said program based on said step of processing] second medium comprises further information for output at said receiver station in addition to said audio and said receiver station includes a plurality of selective transfer devices, said method further comprising the step of causing a second of said plurality of selective transfer devices to communicate said further information for output to an additional output device separate from said audio output device.

10. **(Four Times Amended)** The method of claim 9, wherein said [video and said second portion of said program are outputted simultaneously based on said step of synchronizing] second medium comprises television, including video and said audio, wherein said further information for output includes said video, and wherein said additional output device separate from said audio output device includes a video output device.

11. **(Three Times Amended)** The method of claim [10] 2, wherein [at least part of said second portion of said program includes audio and said step of synchronizing includes outputting said video sequentially with said at least part of said second portion of said program] said plurality of signals includes a digital data channel.

12. **(Three Times Amended)** The method of claim [2] 11, wherein said [first of said at least two transmissions of different kinds contains one of video and audio and said second of said at least two transmissions of different kinds contains information to be printed] receiver station receives said first medium in said digital data channel.

13. **(Five Times Amended)** The method of claim 2, wherein [a device at said receiver station processes said at least two transmissions of different kinds, said method further comprising the step of storing information received in a first of said at least two transmissions of different kinds at a time when said device receives, from a transmitter station external to said receiver station, a second of said at least two transmissions of different kinds] said step of determining comprises processing an identifier.

14. **(Four Times Amended)** The method of claim 13, wherein said identifier identifies said content of said second medium. [device comprises a microprocessor operatively connected to a memory, said method further comprising the steps of:

processing, at said device, at least a portion of one of an analog television signal and an analog radio signal; and

processing, at said device, a digital signal which contains television program content.]

15. **(Three Times Amended)** The method of claim 14, wherein said [multimedia presentation includes audio which describes said television program content, said method further comprising the step of outputting said television program content at a video display device] content of said second medium includes audio.

16. **(Three Times Amended)** The method of claim [13] 14, wherein said [device is adapted to process an electrical signal and an optical signal] content of said second medium includes video.

17. **(Three Times Amended)** The method of claim 2, further comprising the step of [communicating with a source external to said receiver station to receive one of said plurality of signals] storing said second medium at said receiver station.

18. **(Four Times Amended)** The method of claim 17, wherein said [step of communicating comprises querying a data service] second medium is stored based on said step of determining.

19. **(Cancelled)**

20. **(Four Times Amended)** A method of outputting a multimedia presentation at a receiver station adapted to [receive] process a plurality of signals, said plurality of signals including first and second media of said multimedia presentation, [from at least two different sources and process at least one of a said plurality of signals,] said method comprising the steps of:

receiving a first of said plurality of [signal] signals from a [first] source external to said receiver station, said first of said plurality of signals including an identifier;

processing [at least a portion of] said first of said plurality of signals [signal] to [enable] provide said first medium of said [a] multimedia presentation [at said receiver station] and said identifier;

identifying content of said first medium based on said identifier;

controlling said receiver station, based on said step of identifying, to respond to a processor instruction which is separately received from said identifier;

[receiving] responding [a] to said [second signal] processor instruction [from a second source external to said receiver station based on said step of processing] to coordinate presentation of said first and said second media based on identifying content of said second medium; and

outputting said multimedia presentation[, said multimedia presentation comprising information based on said first signal and information] based on said [second signal] step of responding.

21. **(Twice Amended)** The method of claim 20, wherein [one of (1) said first signal is received from an intermediate transmitter that is external from said receiver station and receives said first signal from said first source, and (2) said second signal is received from an intermediate transmitter that is external from said receiver station and receives said second signal from said second source] said receiver station includes a first selective transfer device and said outputting step comprises the step of controlling said first selective transfer device to transfer one of said first and second media to an output device.

22. **(Twice Amended)** The method of claim [20] 21, wherein said step of [processing comprises comparing information contained in said first signal to information stored at said receiver station] controlling comprises originating said second medium of said first and second media.

23. **(Twice Amended)** The method of claim [20] 21, [further comprising the step of controlling a selective transfer device to output said second signal] wherein said receiver station includes a plurality of selective transfer devices, said method further comprising the step of causing a second of said plurality of selective transfer devices to store said first medium of said first and second media.

24. **(Twice Amended)** A method of outputting a multimedia presentation at a receiver station, [adapted to receive a plurality of signals from at least two different

sources and process at least one of a said plurality of signals,] said method comprising the steps of:

receiving, at said receiver station, first and second media of said multimedia presentation from at least two different sources, only one of said first and second media containing television programming, said television programming including audio and video;

receiving, from a remote transmitter station, a control signal at said receiver station;

[controlling] identifying content, at said receiver station, [to output] of said first medium of said multimedia presentation [in response to] based on said control signal; [and]

coordinating presentation, based on said step of identifying, of said first medium of said multimedia presentation with presentation of said second medium of said multimedia presentation; and

outputting said first medium of said multimedia presentation at [at least two of a plurality of] a first output [devices] device at said receiver station, and said second medium at a second output device at said receiver station. [said multimedia presentation comprising information based on said plurality of signals from at least two different sources.]

25. (**Twice Amended**) The method of claim 24, wherein said at least two different sources include a plurality of different local sources, and wherein said [at least two of said plurality of] first and said second output devices comprise [one of (1)] a speaker and a printer[, (2) an image display device and a radio, and (3) a computer and a television receiver].

26. **(Twice Amended)** A method of outputting a multimedia presentation at a receiver station adapted to receive a plurality of [signals] media and process at least one of [a] said plurality of [signals] media, said method comprising the steps of:

receiving, at said receiver station, at least two [discrete signals] of said plurality of media from different sources, at least one of said different sources being a remote transmitter station;

processing said at least two of said plurality of media in order to output said multimedia presentation;

[processing a control signal to enable output of a multimedia presentation at said receiver station; and]

identifying content of a first and content of a second of said at least two of said plurality of media based on said step of processing;

outputting said multimedia presentation based on said step of [processing] identifying, said multimedia presentation comprising one of a sequential and a simultaneous presentation of information based on [a first signal] said first of said at least two of said plurality of media [of said at least two discrete signals] and information based on [a second signal] said second of said at least two of said plurality of media. [of said at least two discrete signals.]

27. **(Twice Amended)** The method of claim 26, wherein said receiver station includes a storage device, said method further comprising the step of storing said at least two of said plurality of media at said receiver station. [where said information contained in said first signal of said at least two discrete signals and said information contained in said second signal of said at least two discrete signals are displayed simultaneously at a video display device, said method further comprising the steps of:

generating one of said at least two discrete signals at said receiver station; and

detecting said control signal in one of said at least two discrete signals.]

28. **(Twice Amended)** The method of claim 27, [wherein said receiver station generates said one of said at least two discrete signals in response to said control signal] further comprising the step of originating a portion of said multimedia presentation at said receiver station based on said step of storing.

29. **(Twice Amended)** A method of outputting a multimedia presentation at a receiver station having [at least one] an output device, said method comprising the steps of:

processing a [first] control signal at said receiver station that programs a processor to [process at least one signal,] create a series of discrete video images;

[receiving, from a remote transmitter station, at least one second control signal;]

identifying content of a first medium, said first medium to be output in said multimedia presentation;

[responding] causing a video image of said series of discrete video images to be output [to said at least one second control signal] based on said step of [processing] identifying; and

[outputting] combining said outputted video image into said multimedia presentation at said [at least one] output device based on said step of [responding] causing to be output, said multimedia presentation comprising said first medium and said outputted video image of said series of discrete video images.

30. **(Twice Amended)** The method of claim 29, wherein [one of said at least one signal and said at least one second control signal includes a sequence of processor instructions, and said at least one second control signal includes a command that executes at least one of said sequence of processor instructions] said step of identifying comprises

processing an identifier, said method further comprising the step of receiving said identifier from a remote transmitter station.

31. **(Cancelled)**

32. **(Cancelled)**

33. **(Twice Amended)** A method of outputting a multimedia presentation at a receiver station, said method comprising the steps of:

receiving a first signal from a remote transmitter station;

outputting said first signal at said receiver station;

receiving a user response based on said step of outputting [a first signal at said receiver station];

[receiving first data signal from a remote transmitter station;]

identifying content of said first signal;

comparing, based on said user response, said [first data] content to [second] data stored at said receiver station;

tuning said receiver station to receive [receiving] a second signal based on said step of comparing; and

outputting said multimedia presentation at said receiver station, said multimedia presentation comprising information [based on] included in said first signal and information [based on] included in said second signal.

34. **(Twice Amended)** The [apparatus] method of claim 33, further comprising the step of transmitting information from said receiver station based on said step of receiving [a] said user response.

35. **(Twice Amended)** The [apparatus] method of claim 34, wherein said information transmitted from said receiver station includes at least a portion of said user response.

36. **(Twice Amended)** The [apparatus] method of claim 34, wherein said transmitted information is transmitted by telephone.

37. **(Twice Amended)** A multimedia presentation apparatus comprising:

at least one receiver for receiving a plurality of signals, wherein at least a portion of said plurality of signals is received from a source external to said multimedia presentation apparatus, [said at least one receiver capable of receiving at least one of said plurality of signals from a remote transmitter station,] said plurality of signals including at least two [transmissions of different kinds] media;

a storage device for storing a first medium included in said at least a portion of said plurality of signals to provide a first portion of a multimedia presentation;

at least one processor operatively connected to said at least one receiver and said storage device for [processing said at least one of said plurality of signals and] providing [a] said first portion of [a] said multimedia presentation, wherein said at least one processor coordinates a presentation of said first portion of said multimedia presentation with a presentation of a received second medium based on determining content of said second medium; and

at least one output device operatively connected to said at least one receiver and at least one of said at least one processor and said storage device for outputting said multimedia presentation to a viewer or listener at said multimedia presentation apparatus based on said coordinating such that content of said first portion has a predetermined relationship to content of said second medium. [, said multimedia presentation

comprising information based on a first of said at least two transmissions and information based on a second of said at least two transmissions.]

38. **(Twice Amended)** The apparatus of claim 37, wherein said at least one processor [includes a microprocessor, said apparatus further comprising at least one storage device operatively connected to said microprocessor] determines said content of said second medium by processing an identifier transmitted from said source external to said multimedia presentation apparatus, said multimedia presentation apparatus further comprising a detector operatively connected to said at least one processor for detecting said identifier.

39. **(Twice Amended)** The apparatus of claim 38, [further comprising a control signal detector operatively connected to said microprocessor] wherein said multimedia presentation apparatus receives a multichannel signal, said multimedia presentation apparatus further comprising a converter operatively connected to said at least one receiver for communicating a portion of said multichannel signal.

40. **(Twice Amended)** The apparatus of claim [38] 39, further comprising a [decryptor operatively connected to said microprocessor] first controlled device operatively connected to said at least one processor for causing said converter to select said second medium.

41. **(Twice Amended)** The apparatus of claim [38] 40, [wherein said at least one receiver includes one of a broadcast and a cablecast converter operatively connected to said microprocessor] further comprising a second storage device operatively connected to said converter for storing said second medium.

42. **(Twice Amended)** The apparatus of claim [38] 41, [wherein said at least one receiver includes a telephone connection operatively connected to said microprocessor] further comprising a second controlled device operatively connected to said at least one processor for causing said second storage device to store said second medium.

43. **(Twice Amended)** A method of enabling a receiver station in a network to output a multimedia presentation, said receiver station adapted to [receive a plurality of signals and programmed] store a first medium to provide a first portion of said multimedia presentation and to output [a portion of] said multimedia presentation by receiving an information transmission, determining content of a second medium received in said information transmission, coordinating presentation of said first portion of said multimedia presentation with a presentation of said second medium based on determining said content, and outputting said multimedia presentation based on coordinating said presentation of said first portion of said multimedia presentation with said presentation of said second medium, [processing at least one of said plurality of signals in accordance with at least one processor instruction,] said method comprising the steps of:

receiving said information transmission at a transmitter station in said network [said at least one of said plurality of signals], wherein [a first of said plurality of signals] said information transmission is adapted to cause said receiver station to determine said content of said second medium, to coordinate presentation of said first portion of said multimedia presentation with said presentation of said second medium based on determining said content, and to output said multimedia presentation based on coordinating said presentation of said first portion of said multimedia presentation with said presentation of said second medium; [and a second of said plurality of signals are transmissions of different kinds and said multimedia presentation comprises information based said first of said plurality of signals and information based on said second of said plurality of signals;] and

transmitting said [at least one of said plurality of signals] information transmission to said receiver station before a specific time;

whereby said receiver station is enabled to output said multimedia presentation.

44. **(Twice Amended)** The method of claim 43, wherein [a first interval of time ends at said specific time, said receiver station includes at least one output device, and said at least one of said plurality of signals synchronizes an output of two discrete portions of said multimedia presentation at said at least one output device to occur in said first interval of time] said receiver station determines said content of said second medium by processing a first identifier, said method further comprising the step of transmitting said first identifier.

45. **(Twice Amended)** The method of claim 44, further comprising the step of including said first identifier in said information transmission. [wherein said at least one output device includes a video display, a first of said two discrete portions of said multimedia presentation includes a first image, a second of said two discrete portions of said multimedia presentation includes a second image, and said receiver station displays all of said first image before displaying any of said second image, said method further comprising the steps of:

transmitting said first image; and

transmitting, before performing said step of transmitting said first image, at least one bit of digital data to be processed at said receiver station to provide said second image.]

46. **(Twice Amended)** The method of claim 45, wherein said [network includes an intermediate transmitter station capable of retransmitting information to said receiver station, said method further comprising the step of transmitting a control signal which is operative to cause said intermediate transmitter station to transmit at least one of (i)

said at least one of said plurality of signals, (ii) said first image, and (iii) said at least one bit of digital data according to a schedule] receiver station processes a portion of said first medium based on a second identifier, said method further comprises the step of transmitting said second identifier.

47. **(Twice Amended)** The method of claim 46, wherein said [control signal is operative at said intermediate transmitter station to delay transmission of said at least one of (i) said at least one of said plurality of signals, (ii) said first image, and (iii) said at least one bit of digital data] receiver station commences storing said portion of said first medium at a particular time, said method further comprising the step of transmitting said portion of said first medium to said receiver station before said particular time.

48. **(Twice Amended)** The method of claim [43] 44, wherein said receiver station [organizes information contained in at least a first discrete signal with information contained in a second discrete signal in order to communicate said at least one processor instruction, said method further comprising the step of transmitting said at least a first discrete signal] is controlled, based on said first identifier, to respond to a processor instruction which is received at said receiver station separately from said first identifier, said method further comprising the step of including said processor instruction in said information transmission.

49. **(Twice Amended)** The method of claim 48, [wherein said receiver includes a microcomputer and said at least one processor instruction comprises information that includes one of (1) a sequence of instructions which program said microcomputer to generate a portion of said multimedia presentation by processing data contained in said at least one of said plurality of signals, and (2) a command which executes a sequence of instructions contained in said at least one of said plurality of signals] further comprising the

step of transmitting said processor instruction from said transmitter station to said receiver station at said specific time.

50. **(Cancelled)**

51. **(Twice Amended)** A transmitter apparatus for enabling a receiver station to output a multimedia presentation, said receiver station adapted to receive a plurality of signals, store a first medium to provide a first portion of said multimedia presentation, determine content of a second medium, coordinate presentation of said first portion of said multimedia presentation with a presentation of said second medium based on determining said content, and output [a portion of] said multimedia presentation based on coordinating said presentation of said first portion of said multimedia presentation with said presentation of said second medium, [by processing at least one of a said plurality of signals in accordance with at least one processor instruction,] said transmitter apparatus comprising:

a receiver for receiving [said at least one of said] a first of said plurality of signals, [wherein at least two of said plurality of signals being transmissions of different kinds and said multimedia presentation comprises information based on a first of said at least two of said plurality of signals and information based on a second of said at least two of said plurality of signals; and] wherein said first of said plurality of signals is adapted to cause said receiver station to determine said content of said second medium, to coordinate said presentation of said first portion of said multimedia presentation with said presentation of said second medium based on determining said content, and to output said multimedia presentation based on coordinating said presentation of said first portion of said multimedia presentation with said presentation of said second medium;

a transmitter operatively connected to said receiver for transmitting said [at least one] first of said plurality of signals to said receiver station before a specific time.

52. (Unchanged) The apparatus of claim 51, wherein said receiver station receives said plurality of signals from said transmitter, said apparatus further comprising one of a signal generator and second receiver for communicating a second of said plurality of signals.

53. **(Twice Amended)** The apparatus of claim 52, wherein said receiver station receives said plurality of signals in a single information transmission, said [method] apparatus further comprising one of a combiner and a multiplexer for combining said [at least a] first of said plurality of signals and said second of said plurality of signals.

54. **(Twice Amended)** The apparatus of claim 51, wherein said [transmitter apparatus] receiver station determines said content of said second medium by processing a first identifier, said apparatus further comprising a first processor for outputting said first identifier. [delays transmission of said at least a first of said plurality of signals, said method further comprising:

a second receiver for communicating said at least one of said plurality of signals to said first receiver station; and

a memory device operatively connected to said first receiver for storing said at least one of said plurality of signals.]

55. **(Twice Amended)** The apparatus of claim 54, wherein said [transmitter apparatus] receiver station processes a portion of said first medium based on a second identifier, said apparatus further comprising a selective transfer device operatively connected to said transmitter for communicating at least one of said first identifier and said second identifier to said transmitter. [transmits said at least a first of said plurality of signals

in accordance with a schedule, said apparatus further comprising a controller operatively connected to said memory for communicating control signals based on said schedule.]

56. **(Twice Amended)** The apparatus of claim 55, wherein said selective transfer device communicates said first identifier and said second identifier, said apparatus further comprising a controller operatively connected to said selective transfer device for controlling said selective transfer device to communicate said first identifier and said second identifier at different times. [controller is capable of receiving information from a remote user, said apparatus further comprising one of:

a telephone network operatively to said controller; and

a data transfer network operatively connected to said controller.]

57. **(Twice Amended)** A method of enabling a network to output a multimedia presentation, said network including a [first] transmitter station and a receiver station, said receiver station adapted to receive a plurality of media from different sources, process at least two of said plurality of media in order to output said multimedia presentation, identify content of a first and content of a second of said at least two of said plurality of media based on processing said at least two of said plurality of media and output said multimedia presentation based on identifying said content of said first and said content of said second of said at least two of said plurality of media, said [first] transmitter station adapted to transmit at least one of [a] said at least two of said plurality of [signals] media based on [at least one] an instruction, [said receiver station adapted to receive said plurality of signals and output a portion of said multimedia presentation based on at least one of said plurality of signals,] said method comprising the steps of:

receiving [at a second] at said transmitter station in said network said at least one of said at least two of said plurality of [signals] media and said instruction; and [wherein at least two of said plurality of signals are transmissions of different kinds and said multimedia

presentation comprises information based on a first of said at least two of said plurality of signals and information based on a second of said at least two of said plurality of signals;]

transmitting said at least one of said at least two of said plurality of [signals] media to [said first transmitter station] said receiver station in response to said instruction, [; and

transmitting said at least one instruction,]

whereby said network is enabled to output said multimedia presentation.

58. **(Twice Amended)** The method of claim 57, wherein[, based on an identifier, said intermediate transmitter station one of (1) delays retransmission of said at least one of said plurality of signals and (2) transmits said at least one of said plurality of signals according to a schedule, said method further comprising the step of including at least a portion of said identifier in said at least one instruction] said receiver station identifies said content of said first of said at least two of said plurality of media by processing a first identifier and identifies said content of said second of said at least two of said plurality of media by processing a second identifier, said method further comprising the step of transmitting a first one of said first identifier and said second identifier.

59. **(Twice Amended)** The method of claim [57] 58, [wherein, based on information embedded in said at least one of said plurality of signals, said intermediate transmitter station controls a switch to communicate said at least one of said plurality of signals, said method further comprising the step of embedding said at least one of said plurality of signals in said at least one of said plurality of signals before transmitting at least a portion of said at least one instruction to said first transmitter station] wherein said transmitter station transmits said first identifier and said second identifier to said receiver station, said method further comprising the step of controlling said transmitter station to transmit said first identifier and said second identifier at different times.

60. **(Twice Amended)** The method of claim [57] 59, [wherein, in response to an identifier, said intermediate transmitter station selects one of a plurality of storage locations and causes said one of said plurality of storage locations to store said at least one of said plurality of signals, said method further comprising the step of including at least a portion of said identifier in said instruction in said at least one of said plurality of signals] wherein said receiver station is enabled to respond to a processor instruction based on said first identifier and said second identifier, said method further comprising the step of transmitting said processor instruction from said transmitter station to said receiver station.

61. **(Cancelled)**

62. **(Cancelled)**

63. **(Cancelled)**

64. **(Cancelled)**

65. **(Cancelled)**